

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	273	548/306.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/05 15:53
L2	588	548/306.1.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/05 15:53
L3	37901	BENZIMIDAZOLES	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/05 15:53
L4	361	L3 AND L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/05 15:57
L5	53	L4 AND AMINO\$3BENZIMIDAZOLE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/05 15:57

=> ACTIVATE N596519F/A

L11 STR
L12 (2380)SEA FILE=REGISTRY SSS FUL L11
L13 STR
L14 5 SEA FILE=REGISTRY SUB=L12 SSS FUL L13

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.35	20.86

FILE 'CAPLUS' ENTERED AT 10:25:13 ON 05 APR 2007
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FILE COVERS 1907 - 5 Apr 2007 VOL 146 ISS 15
FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> S L14

L15 3 L14

=> D IBIB 1-3

L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:570884 CAPLUS

DOCUMENT NUMBER: 143:97367

TITLE: Preparation of 5- or 6-substituted benzimidazole derivatives as inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-francois; Andries, Koenraad Jozef Lodewijk; Fortin, Jerome Michel Claude; Muller, Philippe; Doublet, Frederic Marc Maurice; Meyer, Christophe; Willebrords, Rudy Edmond; Gevers, Tom Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058874	A1	20050630	WO 2004-EP53618	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298459	A1	20050630	AU 2004-298459	20041220
CA 2548793	A1	20050630	CA 2004-2548793	20041220
EP 1697347	A1	20060906	EP 2004-804954	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1914196	A	20070214	CN 2004-80041654	20041220
PRIORITY APPLN. INFO.:			EP 2003-104806	A 20031218
			US 2004-566867P	P 20040430
			WO 2004-EP53618	W 20041220
OTHER SOURCE(S):		MARPAT 143:97367		
REFERENCE COUNT:		6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:567167 CAPLUS
 DOCUMENT NUMBER: 143:97363
 TITLE: Preparation of piperidine-amino-benzimidazole derivatives as inhibitors of respiratory syncytial virus replication
 INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef Lodewijk; Janssens, Frans Eduard; Sommen, Francois Maria; Guillemont, Jerome Emile Georges; Lacrampe, Jean Fernand Armand
 PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058873	A1	20050630	WO 2004-EP53606	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				

MR, NE, SN, TD, TG

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CA 2548654	A1	20050630	CA 2004-2548654	20041220
EP 1723136	A1	20061122	EP 2004-804942	20041220

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LV, MK, YU

CN 1894239	A	20070110	CN 2004-80037284	20041220
PRIORITY APPLN. INFO.:			EP 2003-104802	A 20031218
			US 2004-566835P	P 20040430
			WO 2004-EP53606	W 20041220

OTHER SOURCE(S): MARPAT 143:97363
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:564655 CAPLUS

DOCUMENT NUMBER: 143:97374

TITLE: Preparation of morpholine containing benzimidazoles as
inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef
Lodewijk; Fortin, Jerome Michel Claude; Muller,
Philippe; Doublet, Frederic Marc Maurice; Meyer,
Christophe; Willebrords, Rudy Edmond; Gevers, Tom
Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 144 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058871	A1	20050630	WO 2004-EP53620	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298460	A1	20050630	AU 2004-298460	20041220
CA 2548668	A1	20050630	CA 2004-2548668	20041220
EP 1697345	A1	20060906	EP 2004-817576	20041220
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CN 1894237	A	20070110	CN 2004-80037825	20041220
BR 2004017268	A	20070313	BR 2004-17268	20041220
US 2007043022	A1	20070222	US 2006-563691	20060104
NO 2006003322	A	20060918	NO 2006-3322	20060718
PRIORITY APPLN. INFO.:			EP 2003-104810	A 20031218
			US 2004-567182P	P 20040430

EP 2004-105312 A 20041026
WO 2004-EP53620 W 20041220

OTHER SOURCE(S):

MARPAT 143:97374

REFERENCE COUNT:

4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMA

=> ACTIVATE N596519G/A

L16 STR

L17 (2380)SEA FILE=REGISTRY SSS FUL L16

L18 STR

L19 24 SEA FILE=REGISTRY SUB=L17 SSS FUL L18

=> FIL CAPLU

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.45

26.26

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FILE COVERS 1907 - 5 Apr 2007 VOL 146 ISS 15

FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

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=> S L19

L20 3 L19

=> D IBIB 1-3

L20 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:570884 CAPLUS

DOCUMENT NUMBER: 143:97367

TITLE: Preparation of 5- or 6-substituted benzimidazole derivatives as inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-francois; Andries, Koenraad Jozef Lodewijk; Fortin, Jerome Michel Claude; Muller, Philippe; Doublet, Frederic Marc Maurice; Meyer, Christophe; Willebrords, Rudy Edmond; Gevers, Tom Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058874	A1	20050630	WO 2004-EP53618	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298459	A1	20050630	AU 2004-298459	20041220
CA 2548793	A1	20050630	CA 2004-2548793	20041220
EP 1697347	A1	20060906	EP 2004-804954	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1914196	A	20070214	CN 2004-80041654	20041220
PRIORITY APPLN. INFO.:			EP 2003-104806	A 20031218
			US 2004-566867P	P 20040430
			WO 2004-EP53618	W 20041220
OTHER SOURCE(S):		MARPAT 143:97367		
REFERENCE COUNT:		6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L20 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:567167 CAPLUS
 DOCUMENT NUMBER: 143:97363
 TITLE: Preparation of piperidine-amino-benzimidazole derivatives as inhibitors of respiratory syncytial virus replication
 INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef Lodewijk; Janssens, Frans Eduard; Sommen, Francois Maria; Guillemont, Jerome Emile Georges; Lacrampe, Jean Fernand Armand
 PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058873	A1	20050630	WO 2004-EP53606	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				

MR, NE, SN, TD, TG

AU 2004298456	A1	20050630	AU 2004-298456	20041220
CA 2548654	A1	20050630	CA 2004-2548654	20041220
EP 1723136	A1	20061122	EP 2004-804942	20041220

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, HR,
LV, MK, YU

CN 1894239	A	20070110	CN 2004-80037284	20041220
PRIORITY APPLN. INFO.:			EP 2003-104802	A 20031218
			US 2004-566835P	P 20040430
			WO 2004-EP53606	W 20041220

OTHER SOURCE(S): MARPAT 143:97363

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:564655 CAPLUS

DOCUMENT NUMBER: 143:97374

TITLE: Preparation of morpholine containing benzimidazoles as inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef Lodewijk; Fortin, Jerome Michel Claude; Muller, Philippe; Doublet, Frederic Marc Maurice; Meyer, Christophe; Willebrords, Rudy Edmond; Gevers, Tom Valerius Josepha; Timmerman, Philip Maria Martha Bern Tibotec Pharmaceuticals Ltd., Ire.

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 144 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058871	A1	20050630	WO 2004-EP53620	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2004298460	A1	20050630	AU 2004-298460	20041220
CA 2548668	A1	20050630	CA 2004-2548668	20041220
EP 1697345	A1	20060906	EP 2004-817576	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1894237	A	20070110	CN 2004-80037825	20041220
BR 2004017268	A	20070313	BR 2004-17268	20041220
US 2007043022	A1	20070222	US 2006-563691	20060104
NO 2006003322	A	20060918	NO 2006-3322	20060718
PRIORITY APPLN. INFO.:			EP 2003-104810	A 20031218
			US 2004-567182P	P 20040430

EP 2004-105312 A 20041026
WO 2004-EP53620 W 20041220

OTHER SOURCE(S): MARPAT 143:97374

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> ACTIVATE N596519E/A
L6 STR
L7 (2380)SEA FILE=REGISTRY SSS FUL L6
L8 STR
L9 6 SEA FILE=REGISTRY SUB=L7 SSS FUL L8

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	16.68

FILE 'CAPLUS' ENTERED AT 10:22:48 ON 05 APR 2007
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4

FILE COVERS 1907 - 5 Apr 2007 VOL 146 ISS 15
FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> S L9
L10 2 L9

=> D IBIB 2

L10 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:432761 CAPLUS
DOCUMENT NUMBER: 101:32761
TITLE: The pharmacokinetics and metabolism of astemizole in man
AUTHOR(S): Heykants, J.
CORPORATE SOURCE: Dep. Drug Metab. Pharmacokinet., Janssen Pharm., Beerse, Belg.
SOURCE: Medicine Publishing Foundation Symposium Series (1984), 11(Astemizole: New Non-Sedat. Long-Acting H1-Antagonist), 25-34
CODEN: MPFSDF; ISSN: 0260-0242
DOCUMENT TYPE: Journal
LANGUAGE: English

14/14

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L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

13/14 ✓
 ACCESSION NUMBER: 2001:12444 CAPLUS
 DOCUMENT NUMBER: 134:86248
 TITLE: Preparation of benzimidazolés as respiratory syncytial virus replication inhibitors.
 INVENTOR(S): Janssens, Frans Eduard; Meersman, Kathleen Petrus Marie-Jose; Sommen, Francois Maria; Guillemont, Jerome Emile Georges; Lacrampe, Jean Fernand Armand; Andries, Koenraad Jozef Lodewijk Marcel
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.
 SOURCE: PCT/Int. Appl., 119 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001000611	A1	20010104	WO 2000-EP5676	20000620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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EP 1196408	A1	20020417	EP 2000-943841	20000620
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HU 200201723	A2	20021128	HU 2002-1723	20000620
JP 2003503401	T	20030128	JP 2001-507020	20000620
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EE 4590	B1	20060215		
NZ 515418	A	20031128	NZ 2000-515418	20000620
EP 1418175	A1	20040512	EP 2004-100543	20000620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL				
AT 276244	T	20041015	AT 2000-943841	20000620
AU 779516	B2	20050127	AU 2000-58167	20000620
PT 1196408	T	20050131	PT 2000-943841	20000620
ES 2228559	T3	20050416	ES 2000-943841	20000620
AP 1552	A	20060228	AP 2002-2397	20000620
W: GM, GH, KE, LS, MW, MZ, SL, SD, SZ, TZ, UG, ZM, ZW				
SG 122814	A1	20060629	SG 2004-362	20000620
TR 200600172	T1	20070122	TR 2006-172	20000620
TW 248932	B	20060211	TW 2000-89112477	20000626
IN 2001MN01539	A	20050304	IN 2001-MN1539	20011206
HR 2001000933	A1	20030630	HR 2001-933	20011219
ZA 2001010478	A	20030320	ZA 2001-10478	20011220
NO 2001006368	A	20020228	NO 2001-6368	20011227
US 6924287	B1	20050802	US 2001-30202	20011227
BG 106287	A	20021031	BG 2002-106287	20020108
HK 1046141	A1	20060922	HK 2002-107761	20021025

US 2005234047	A1	20051020	US 2005-144103	20050603
US 7173054	B2	20070206		
US 2005239771	A1	20051027	US 2005-144126	20050603
US 7173034	B2	20070206		
US 2006154913	A1	20060713	US 2006-332557	20060112
US 2007021410	A1	20070125	US 2006-519719	20060911

PRIORITY APPLN. INFO.:

EP 1999-202087	A	19990628
EP 2000-200452	A	20000211
EP 2000-943841	A3	20000620
WO 2000-EP5676	W	20000620
US 2001-30202	A3	20011227
US 2005-144103	A3	20050603

OTHER SOURCE(S):
REFERENCE COUNT:

MARPAT 134:86248

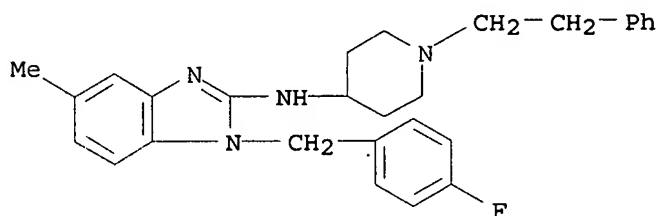
17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> ACTIVATE N596519D/A

L1 STR
L2 (2380)SEA FILE=REGISTRY SSS FUL L1
L3 STR
L4 57 SEA FILE=REGISTRY SUB=L2 SSS FUL L3

=> D SCAN

L4 57 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 1H-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-5-methyl-N-[1-(2-phenylethyl)-4-piperidinyl]- (9CI)
MF C28 H31 F N4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> FIL CAPLUS
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	0.66

FILE 'CAPLUS' ENTERED AT 10:20:44 ON 05 APR 2007
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FILE COVERS 1907 - 5 Apr 2007 VOL 146 ISS 15
FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

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=> S L4

L5 12 L4

=> D IBIB

L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:570884 CAPLUS

DOCUMENT NUMBER: 143:97367

TITLE: Preparation of 5- or 6-substituted benzimidazole derivatives as inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-francois; Andries, Koenraad Jozef Lodewijk; Fortin, Jerome Michel Claude; Muller, Philippe; Doublet, Frederic Marc Maurice; Meyer, Christophe; Willebrords, Rudy Edmond; Gevers, Tom Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058874	A1	20050630	WO 2004-EP53618	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298459	A1	20050630	AU 2004-298459	20041220
CA 2548793	A1	20050630	CA 2004-2548793	20041220
EP 1697347	A1	20060906	EP 2004-804954	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1914196	A	20070214	CN 2004-80041654	20041220
PRIORITY APPLN. INFO.:			EP 2003-104806	A 20031218 -
			US 2004-566867P	P 20040430
			WO 2004-EP53618	W 20041220

OTHER SOURCE(S): MARPAT 143:97367

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D IBIB 2-12

L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:564655 CAPLUS

DOCUMENT NUMBER: 143:97374

TITLE: Preparation of morpholine containing benzimidazoles as

inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef Lodewijk; Fortin, Jerome Michel Claude; Muller, Philippe; Doublet, Frederic Marc Maurice; Meyer, Christophe; Willebrords, Rudy Edmond; Gevers, Tom Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 144 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058871	A1	20050630	WO 2004-EP53620	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298460	A1	20050630	AU 2004-298460	20041220
CA 2548668	A1	20050630	CA 2004-2548668	20041220
EP 1697345	A1	20060906	EP 2004-817576	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1894237	A	20070110	CN 2004-80037825	20041220
BR 2004017268	A	20070313	BR 2004-17268	20041220
US 2007043022	A1	20070222	US 2006-563691	20060104
NO 2006003322	A	20060918	NO 2006-3322	20060718
PRIORITY APPLN. INFO.:			EP 2003-104810	A 20031218
			US 2004-567182P	P 20040430
			EP 2004-105312	A 20041026
			WO 2004-EP53620	W 20041220

OTHER SOURCE(S): MARPAT 143:97374

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:12444 CAPLUS ✓

DOCUMENT NUMBER: 134:86248 13/14

TITLE: Preparation of benzimidazoles as respiratory syncytial virus replication inhibitors.

INVENTOR(S): Janssens, Frans Eduard; Meersman, Kathleen Petrus Marie-Jose; Sommen, Francois Maria; Guillemont, Jerome Emile Georges; Lacrampe, Jean Fernand Armand; Andries, Koenraad Jozef Lodewijk Marcel

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 119 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001000611	A1	20010104	WO 2000-EP5676	20000620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2376781	A1	20010104	CA 2000-2376781	20000620
BR 2000012054	A	20020319	BR 2000-12054	20000620
EP 1196408	A1	20020417	EP 2000-943841	20000620
EP 1196408	B1	20040915		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200103804	T2	20020521	TR 2001-3804	20000620
HU 200201723	A2	20021128	HU 2002-1723	20000620
JP 2003503401	T	20030128	JP 2001-507020	20000620
EE 200100692	A	20030217	EE 2001-692	20000620
EE 4590	B1	20060215		
NZ 515418	A	20031128	NZ 2000-515418	20000620
EP 1418175	A1	20040512	EP 2004-100543	20000620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL				
AT 276244	T	20041015	AT 2000-943841	20000620
AU 779516	B2	20050127	AU 2000-58167	20000620
PT 1196408	T	20050131	PT 2000-943841	20000620
ES 2228559	T3	20050416	ES 2000-943841	20000620
AP 1552	A	20060228	AP 2002-2397	20000620
W: GM, GH, KE, LS, MW, MZ, SL, SD, SZ, TZ, UG, ZM, ZW				
SG 122814	A1	20060629	SG 2004-362	20000620
TR 200600172	T1	20070122	TR 2006-172	20000620
TW 248932	B	20060211	TW 2000-89112477	20000626
IN 2001MN01539	A	20050304	IN 2001-MN1539	20011206
HR 2001000933	A1	20030630	HR 2001-933	20011219
ZA 2001010478	A	20030320	ZA 2001-10478	20011220
NO 2001006368	A	20020228	NO 2001-6368	20011227
US 6924287	B1	20050802	US 2001-30202	20011227
BG 106287	A	20021031	BG 2002-106287	20020108
HK 1046141	A1	20060922	HK 2002-107761	20021025
US 2005234047	A1	20051020	US 2005-144103	20050603
US 7173054	B2	20070206		
US 2005239771	A1	20051027	US 2005-144126	20050603
US 7173034	B2	20070206		
US 2006154913	A1	20060713	US 2006-332557	20060112
US 2007021410	A1	20070125	US 2006-519719	20060911
PRIORITY APPLN. INFO.:			EP 1999-202087	A 19990628
			EP 2000-200452	A 20000211
			EP 2000-943841	A3 20000620
			WO 2000-EP5676	W 20000620
			US 2001-30202	A3 20011227
			US 2005-144103	A3 20050603

OTHER SOURCE(S): MARPAT 134:86248
 REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:608009 CAPLUS

DOCUMENT NUMBER: 115:208009

TITLE: Preparation of 2-aminopyrimidinones as antihistaminics
 and antiserotoninergics

INVENTOR(S): Janssens, Frans E.; Kennis, Ludo E. J.; Sommen,
 Francois M.; Dierckx, Ann C. J.

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 30 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 378254	A2	19900718	EP 1990-200004	19900103
EP 378254	A3	19910109		
EP 378254	B1	19940622		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL				
US 5008268	A	19910416	US 1989-456391	19891226
ES 2058749	T3	19941101	ES 1990-200004	19900103
CA 2007198	A1	19900709	CA 1990-2007198	19900105
FI 9000084	A	19900710	FI 1990-84	19900108
FI 94526	B	19950615		
FI 94526	C	19950925		
NO 9000070	A	19900710	NO 1990-70	19900108
NO 172645	B	19930510		
NO 172645	C	19930818		
AU 9047780	A	19900712	AU 1990-47780	19900108
AU 622509	B2	19920409		
HU 53364	A2	19901028	HU 1990-63	19900108
HU 206350	B	19921028		
ZA 9000120	A	19910925	ZA 1990-120	19900108
SU 1825364	A3	19930630	SU 1990-4742861	19900108
CN 1044099	A	19900725	CN 1990-100077	19900109
CN 1030452	B	19951206		
JP 02233678	A	19900917	JP 1990-2414	19900109
PRIORITY APPLN. INFO.:			GB 1989-380	A 19890109
OTHER SOURCE(S):	MARPAT 115:208009			

L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:212855 CAPLUS

DOCUMENT NUMBER: 110:212855

TITLE: Preparation of [(bicyclic heterocyclyl)amino]hexahydro-
 1H-azepines and - pyrrolidines as antihistamines

INVENTOR(S): Janssens, Frans Eduard; Diels, Gaston Stanislas
 Marcella; Pille, Geert Marcel Ester

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 49 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 297661	A1	19890104	EP 1988-201291	19880623
EP 297661	B1	19920916		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 1317939	C	19930518	CA 1988-568377	19880602
AT 80628	T	19921015	AT 1988-201291	19880623
ES 2052686	T3	19940716	ES 1988-201291	19880623
AU 8818353	A	19890105	AU 1988-18353	19880624
AU 603684	B2	19901122		
JP 01034979	A	19890206	JP 1988-161124	19880630
ZA 8804696	A	19900328	ZA 1988-4696	19880630
IL 86921	A	19921115	IL 1988-86921	19880630
US 4988689	A	19910129	US 1989-338440	19890413
US 5071846	A	19911210	US 1990-609989	19901106
US 5151424	A	19920929	US 1991-756673	19910909
PRIORITY APPLN. INFO.:				
			US 1987-68515	A 19870701
			US 1988-198960	B1 19880526
			EP 1988-201291	A 19880623
			US 1989-338440	A3 19890413
			US 1990-609989	A3 19901106

OTHER SOURCE(S): MARPAT 110:212855

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:75503 CAPLUS

DOCUMENT NUMBER: 110:75503

TITLE: Preparation of novel alkylindazopyridines and analogs as allergy inhibitors

INVENTOR(S): Janssens, Frans Eduard; Diels, Gaston Stanislas Marcella; Torremans, Joseh Leo Ghislanus; Sommen, Francois Maria

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 50 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 282133	A2	19880914	EP 1988-200398	19880302
EP 282133	A3	19890607		
EP 282133	B1	19930728		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 1266048	A1	19900220	CA 1988-559907	19880226
AT 92065	T	19930815	AT 1988-200398	19880302
ES 2059489	T3	19941116	ES 1988-200398	19880302
AU 8812702	A	19880908	AU 1988-12702	19880304
AU 593720	B2	19900215		
SU 1637663	A3	19910323	SU 1988-4355374	19880305
DK 8801244	A	19880910	DK 1988-1244	19880308
DK 171181	B1	19960715		
FI 8801063	A	19880910	FI 1988-1063	19880308
FI 93728	B	19950215		
FI 93728	C	19950526		
NO 8801027	A	19880912	NO 1988-1027	19880308

NO 170485	B	19920713		
NO 170485	C	19921021		
HU 46679	A2	19881128	HU 1988-1121	19880308
HU 204270	B	19911230		
JP 63301879	A	19881208	JP 1988-52762	19880308
ZA 8801660	A	19891129	ZA 1988-1660	19880308
IL 85661	A	19920715	IL 1988-85661	19880308
CN 88101286	A	19880928	CN 1988-101286	19880309
CN 1026588	B	19941116		
US 4943580	A	19900724	US 1989-307712	19890206
PRIORITY APPLN. INFO.:			US 1987-23739	A 19870309
			US 1988-155465	B1 19880212
			EP 1988-200398	A 19880302

OTHER SOURCE(S): MARPAT 110:75503

L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1988:21891 CAPLUS

DOCUMENT NUMBER: 108:21891

TITLE: Preparation of piperidinylaminobenzimidazoles and-imidazo pyridines as allergy inhibitors

INVENTOR(S): Janssens, Frans E.; Hens, Jozef F.; Torremans, Joseph L. G.; Heykants, Jozef J. P.

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 32 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 232937	A2	19870819	EP 1987-200128	19870128
EP 232937	A3	19880406		
EP 232937	B1	19920819		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4835161	A	19890530	US 1987-5546	19870121
AT 79620	T	19920915	AT 1987-200128	19870128
CA 1327579	C	19940308	CA 1987-528342	19870128
ES 2052544	T3	19940716	ES 1987-200128	19870128
DK 8700541	A	19870804	DK 1987-541	19870202
FI 8700448	A	19870804	FI 1987-448	19870202
NO 8700407	A	19870804	NO 1987-407	19870202
AU 8768218	A	19870806	AU 1987-68218	19870202
AU 583706	B2	19890504		
JP 62215575	A	19870922	JP 1987-20600	19870202
JP 07094393	B	19951011		
HU 44544	A2	19880328	HU 1987-354	19870202
HU 201067	B	19900928		
ZA 8700744	A	19881026	ZA 1987-744	19870202
IL 81448	A	19900917	IL 1987-81448	19870202
CN 87100563	A	19870819	CN 1987-100563	19870203
CN 1018614	B	19921014		
JP 07179458	A	19950718	JP 1994-260917	19941003
JP 08019126	B	19960228		
PRIORITY APPLN. INFO.:			US 1986-825491	A 19860203
			EP 1987-200128	A 19870128
OTHER SOURCE(S):		CASREACT 108:21891; MARPAT 108:21891		

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1986:68856 CAPLUS

DOCUMENT NUMBER: 104:68856

TITLE: Bicyclic heterocyclyl containing N-(bicyclic heterocyclyl)-4-piperidinamines

INVENTOR(S): Janssens, Frans Eduard; Torremans, Joseph Leo
Ghislanus; Hens, Jozef Francis; Van Offenwert,
Theophilus Theresia J. M.

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 106 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 144101	A2	19850612	EP 1984-201611	19841107
EP 144101	A3	19850724		
EP 144101	B1	19910206		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4695569	A	19870922	US 1984-660608	19841012
AT 60769	T	19910215	AT 1984-201611	19841107
SU 1500162	A3	19890807	SU 1984-3814401	19841123
CA 1257258	A1	19890711	CA 1984-468587	19841126
CZ 281114	B6	19960612	CZ 1984-9128	19841128
SK 278443	B6	19970507	SK 1984-9128	19841128
DK 8405678	A	19850531	DK 1984-5678	19841129
FI 8404708	A	19850531	FI 1984-4708	19841129
FI 80446	B	19900228		
FI 80446	C	19900611		
NO 8404755	A	19850531	NO 1984-4755	19841129
NO 164171	B	19900528		
NO 164171	C	19900905		
AU 8436028	A	19850606	AU 1984-36028	19841129
AU 579121	B2	19881117		
JP 60149583	A	19850807	JP 1984-250660	19841129
JP 06092389	B	19941116		
ZA 8409331	A	19860730	ZA 1984-9331	19841129
IL 73686	A	19880531	IL 1984-73686	19841129
PL 146377	B1	19890131	PL 1984-250633	19841129
HU 35677	A2	19850729	HU 1984-4444	19841130
HU 199837	B	19900328		
RO 90414	B3	19861210	RO 1984-116474	19841130
US 4888426	A	19891219	US 1987-56200	19870601
SU 1694064	A3	19911123	SU 1987-4203318	19870917
CA 1330081	C	19940607	CA 1988-564954	19880422
FI 8804037	A	19880901	FI 1988-4037	19880901
FI 84070	B	19910628		
FI 84070	C	19911010		
US 5025014	A	19910618	US 1989-447312	19891207
US 5126339	A	19920630	US 1991-671338	19910319
PRIORITY APPLN. INFO.:				
			US 1983-556742	A 19831130
			US 1984-660608	A 19841012
			EP 1984-201611	A 19841107
			CA 1984-468587	A3 19841126
			FI 1984-4708	A 19841129
			US 1987-56200	A3 19870601

US 1989-447312

A3 19891207

OTHER SOURCE(S): CASREACT 104:68856

L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:615287 CAPLUS

DOCUMENT NUMBER: 103:215287

TITLE: Five membered heterocyclic ring containing N-(bicyclic heterocyclyl)-4-piperidinamines

INVENTOR(S): Janssens, Frans Eduard; Torremans, Joseph Leo
Ghislanus; Hens, Jozef Francis; Van Offenwert,
Theophilus Theresia

PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.

SOURCE: Eur. Pat. Appl., 76 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 145037	A2	19850619	EP 1984-201326	19840914
EP 145037	A3	19850710		
EP 145037	B1	19890118		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4634704	A	19870106	US 1984-625343	19840627
CA 1247614	A1	19881227	CA 1984-462540	19840906
AT 40130	T	19890215	AT 1984-201326	19840914
IL 73118	A	19880331	IL 1984-73118	19840930
RO 90457	B3	19861210	RO 1984-115894	19841004
DK 8404784	A	19850407	DK 1984-4784	19841005
DK 163239	B	19920210		
DK 163239	C	19920629		
FI 8403934	A	19850407	FI 1984-3934	19841005
FI 81797	B	19900831		
FI 81797	C	19901210		
NO 8404009	A	19850409	NO 1984-4009	19841005
NO 160441	B	19890109		
NO 160441	C	19890419		
AU 8433872	A	19850418	AU 1984-33872	19841005
AU 565884	B2	19871001		
ES 536590	A1	19851116	ES 1984-536590	19841005
JP 61010577	A	19860118	JP 1984-208394	19841005
JP 07098818	B	19951025		
ZA 8407847	A	19860528	ZA 1984-7847	19841005
HU 38629	A2	19860630	HU 1984-3771	19841005
HU 207514	B	19930428		
SU 1440346	A3	19881123	SU 1984-3796140	19841005
PL 146228	B1	19890131	PL 1984-249916	19841005
PRIORITY APPLN. INFO.:			US 1983-539597	A 19831006
			US 1984-625343	A 19840627
			EP 1984-201326	A 19840914

OTHER SOURCE(S): CASREACT 103:215287; MARPAT 103:215287

L5 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:596034 CAPLUS

DOCUMENT NUMBER: 103:196034

TITLE: New antihistaminic N-heterocyclic 4-piperidinamines.
2. Synthesis and antihistaminic activity of

1-[(4-fluorophenyl)methyl]-N-(4-piperidinyl)-1H-benzimidazol-2-amines
 AUTHOR(S): Janssens, Frans; Torremans, Joseph; Janssen, Marcel; Stokbroekx, Raymond A.; Luyckx, Marcel; Janssen, Paul A. J.
 CORPORATE SOURCE: N. V. Janssen Pharm., Res. Lab., Beerse, B-2340, Belg.
 SOURCE: Journal of Medicinal Chemistry (1985), 28(12), 1934-43
 CODEN: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 103:196034

L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1981:30579 CAPLUS
 DOCUMENT NUMBER: 94:30579
 TITLE: N-Heterocyclyl-4-piperidinamines
 INVENTOR(S): Janssens, Frans; Luyckx, Marcel; Stokbroekx, Raymond; Torremans, Joseph
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.
 SOURCE: U.S., 27 pp. Cont.-in-part of U.S. Ser. No. 892,534, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4219559	A	19800826	US 1979-2276	19790110
CA 1140119	A1	19830125	CA 1979-323763	19790319
AU 7945296	A	19791018	AU 1979-45296	19790321
AU 523352	B2	19820722		
DK 7901298	A	19791004	DK 1979-1298	19790329
DK 169325	B1	19941010		
EP 5318	A1	19791114	EP 1979-300525	19790330
EP 5318	B1	19820106		
R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
RO 79320	A1	19820817	RO 1979-97082	19790330
FI 7901084	A	19791004	FI 1979-1084	19790402
FI 64801	B	19830930		
FI 64801	C	19840110		
NO 7901097	A	19791004	NO 1979-1097	19790402
NO 154058	B	19860401		
NO 154058	C	19860709		
JP 54151982	A	19791129	JP 1979-38447	19790402
JP 01001477	B	19890111		
ES 479206	A1	19791216	ES 1979-479206	19790402
ZA 7901557	A	19801126	ZA 1979-1557	19790402
IL 56992	A	19830331	IL 1979-56992	19790402
AT 7902425	A	19830715	AT 1979-2425	19790402
AT 373887	B	19840227		
CS 256358	B2	19880415	CS 1979-2227	19790402
CS 256380	B4	19880415	CS 1984-3451	19790402
PL 123380	B1	19821030	PL 1979-214648	19790403
HU 25906	A2	19830829	HU 1979-JA841	19790403
HU 182965	B	19840328		
SU 1056902	A3	19831123	SU 1979-2747000	19790403
AT 8204538	A	19830715	AT 1982-4538	19821214

AT 373888	B	19840227		
DK 8300831	A	19830224	DK 1983-831	19830224
DK 171841	B1	19970630		
ES 524224	A3	19841216	ES 1983-524224	19830719
NO 8402563	A	19791004	NO 1984-2563	19840625
NO 154090	B	19860407		
NO 154090	C	19860716		
ES 542804	A3	19851216	ES 1985-542804	19850503
JP 01117880	A	19890510	JP 1988-144898	19880614
JP 02040666	B	19900912		
PRIORITY APPLN. INFO.:			US 1978-892534	A2 19780403
			US 1979-2276	A 19790110
			US 1979-2279	A 19790110
			DK 1979-1298	A 19790329
			AT 1979-2425	A 19790402

OTHER SOURCE(S): CASREACT 94:30579

L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1980:215439 CAPLUS
 DOCUMENT NUMBER: 92:215439
 TITLE: N-Heterocyclyl-4-piperidinamines and pharmaceutical compositions comprising them
 INVENTOR(S): Janssens, Frans; Stokbroekx, Raymond; Torremans, Joseph; Luyckx, Marcel
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.
 SOURCE: Eur. Pat. Appl., 100 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 5318	A1	19791114	EP 1979-300525	19790330
EP 5318	B1	19820106		
R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
US 4219559	A	19800826	US 1979-2276	19790110
CS 256358	B2	19880415	CS 1979-2227	19790402
CS 256380	B4	19880415	CS 1984-3451	19790402
PRIORITY APPLN. INFO.:			US 1978-892534	19780403
			US 1979-2276	19790110
			US 1979-2279	A 19790110

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L3 STR
L4 57 SEA FILE=REGISTRY SUB=L2 SSS FUL L3

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.87

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FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

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=> S L4

L5 12 L4

=> D.HITSTR 4-12

L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 131283-70-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antihistaminic and antiserotonergic)

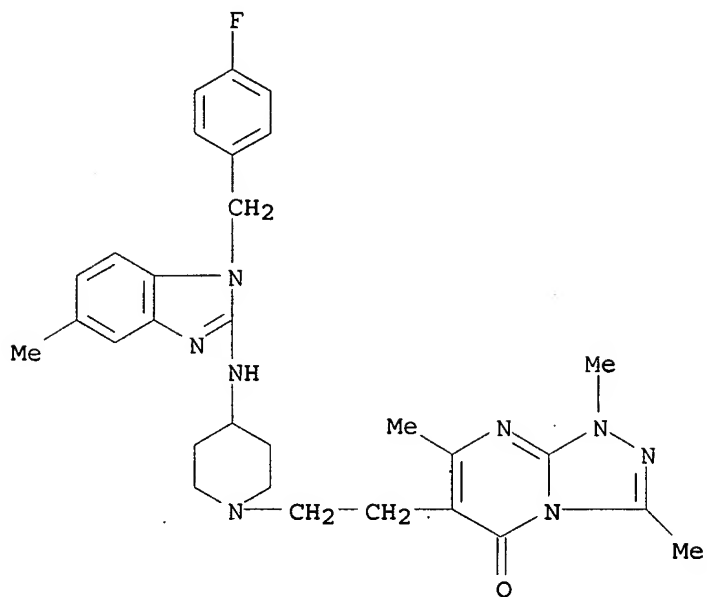
RN 131283-70-0 CAPLUS

CN 1,2,4-Triazolo[4,3-a]pyrimidin-5(1H)-one, 6-[2-[4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-1-piperidinyl]ethyl]-1,3,7-trimethyl-, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 131283-69-7

CMF C30 H35 F N8 O

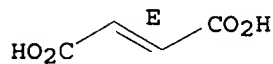


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



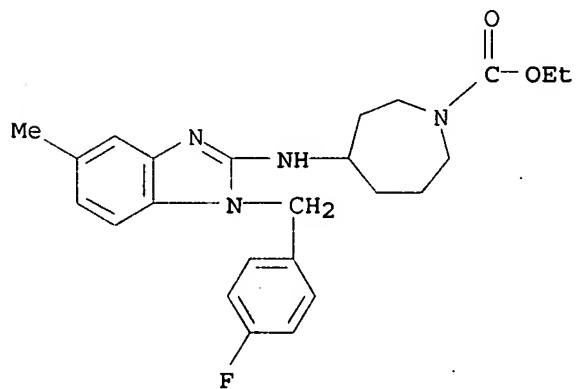
L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 120429-44-9P 120431-87-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiallergic agent)

RN 120429-44-9 CAPLUS

CN 1H-Azepine-1-carboxylic acid, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]hexahydro-, ethyl ester (9CI) (CA INDEX NAME)



04/05/07

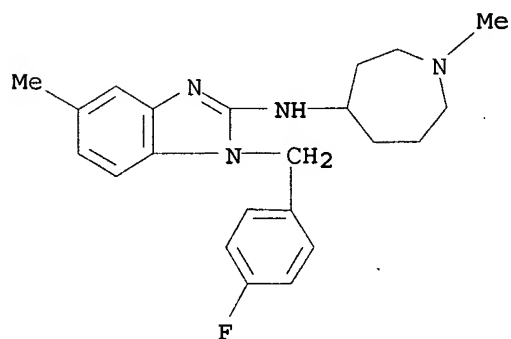
RN 120431-87-0 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-N-(hexahydro-1-methyl-1H-azepin-4-yl)-5-methyl-, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 120431-86-9

CMF C22 H27 F N4

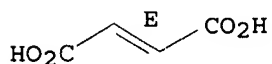


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



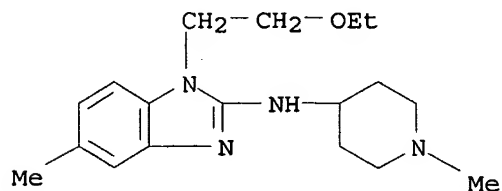
L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 118592-75-9P 118705-16-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as allergy inhibitor or antihistaminic)

RN 118592-75-9 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-(2-ethoxyethyl)-5-methyl-N-(1-methyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



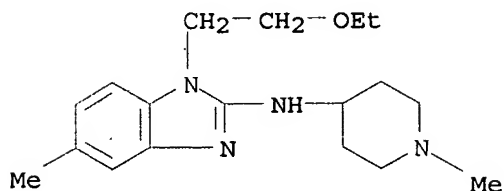
RN 118705-16-1 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-(2-ethoxyethyl)-5-methyl-N-(1-methyl-4-piperidinyl)-, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 118592-75-9

CMF C18 H28 N4 O

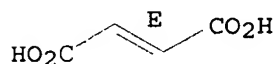


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



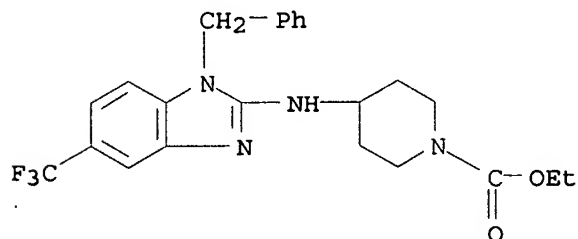
L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 73755-74-5P 98088-91-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as allergy inhibitor)

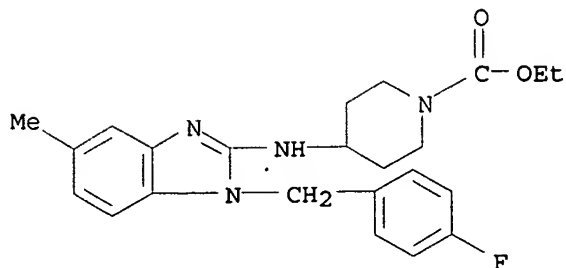
RN 73755-74-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-(phenylmethyl)-5-(trifluoromethyl)-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 98088-91-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



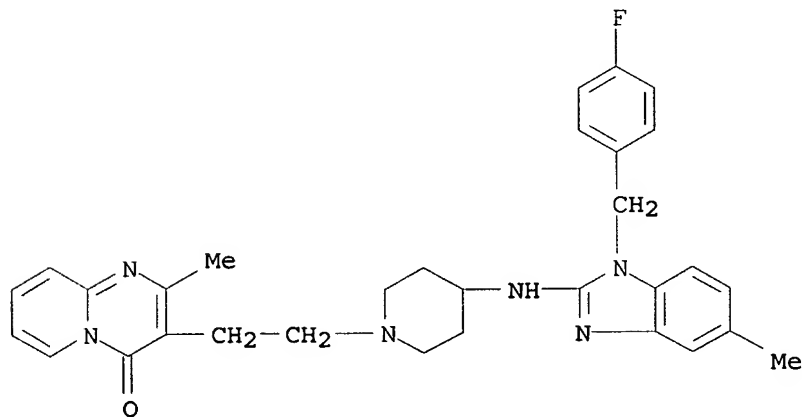
L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 99157-17-2P 99195-17-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antihistaminic activity of)

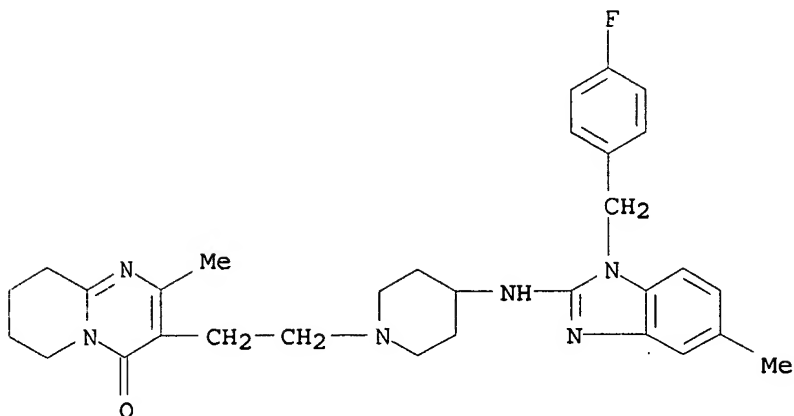
RN 99157-17-2 CAPLUS

CN 4H-Pyrido[1,2-a]pyrimidin-4-one, 3-[2-[4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-1-piperidiny]ethyl]-2-methyl- (9CI)
(CA INDEX NAME)

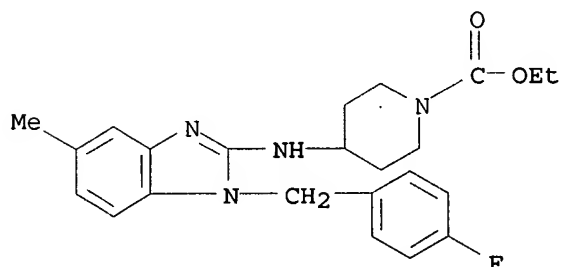


RN 99195-17-2 CAPLUS

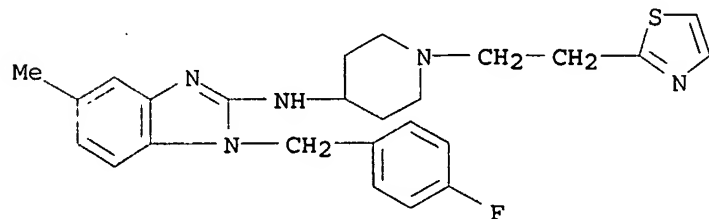
CN 4H-Pyrido[1,2-a]pyrimidin-4-one, 3-[2-[4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-1-piperidiny]ethyl]-6,7,8,9-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)



IT 98088-91-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and decarboxylation of)
 RN 98088-91-6 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-
 benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 IT 99137-90-3P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation)
 (preparation and antihistaminic activity of)
 RN 99137-90-3 CAPLUS
 CN 1H-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-5-methyl-N-[1-[2-(2-
 thiazolyl)ethyl]-4-piperidinyl]- (9CI) (CA INDEX NAME)

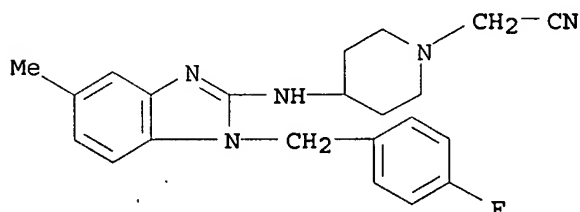


IT 99139-23-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and lithium aluminum hydride reduction of)

RN 99139-23-8 CAPLUS

CN 1-Piperidineacetonitrile, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]- (9CI) (CA INDEX NAME)

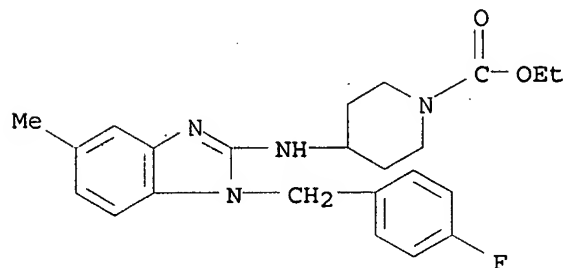


IT 98088-91-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and N-alkylation and decarboxylation of)

RN 98088-91-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

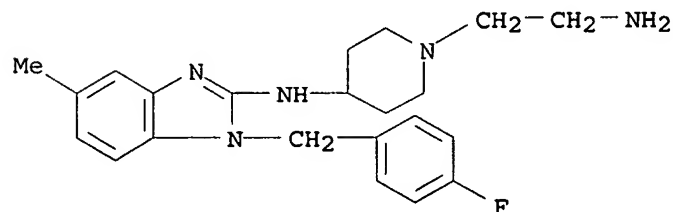


IT 99151-11-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and N-alkylation of)

RN 99151-11-8 CAPLUS

CN 1H-Benzimidazol-2-amine, N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(4-fluorophenyl)methyl]-5-methyl- (9CI) (CA INDEX NAME)



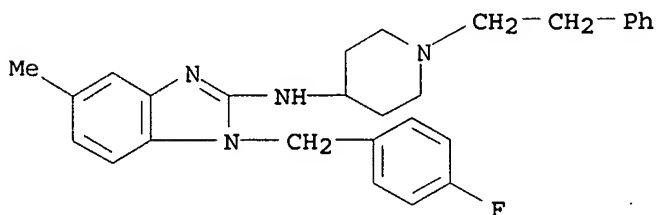
L5 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 75970-78-4P 98088-91-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and antihistamine activity of)

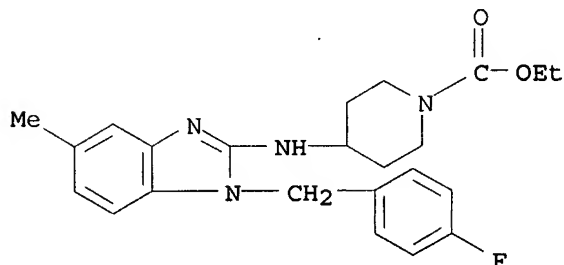
RN 75970-78-4 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-5-methyl-N-[1-(2-phenylethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 98088-91-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[(4-fluorophenyl)methyl]-5-methyl-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



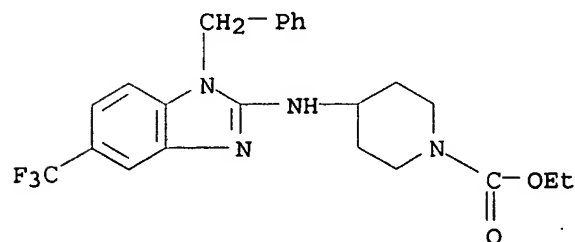
L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

IT 73755-74-5P 75970-32-0P 75970-35-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and decarboxylation of)

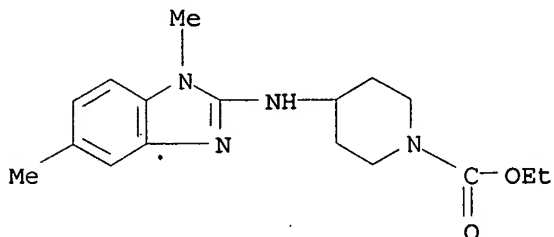
RN 73755-74-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-(phenylmethyl)-5-(trifluoromethyl)-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



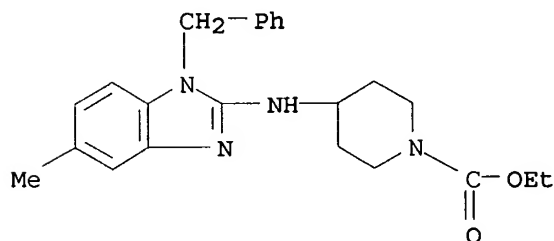
RN 75970-32-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(1,5-dimethyl-1H-benzimidazol-2-yl)amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 75970-35-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[5-methyl-1-(phenylmethyl)-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



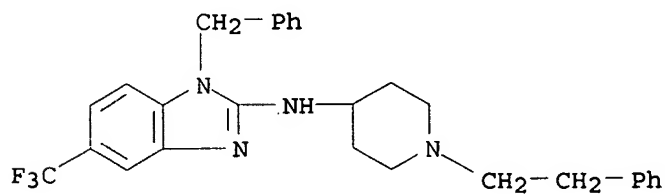
IT 73734-46-0P 73734-91-5P 75970-78-4P

75970-80-8P 75970-88-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 73734-46-0 CAPLUS

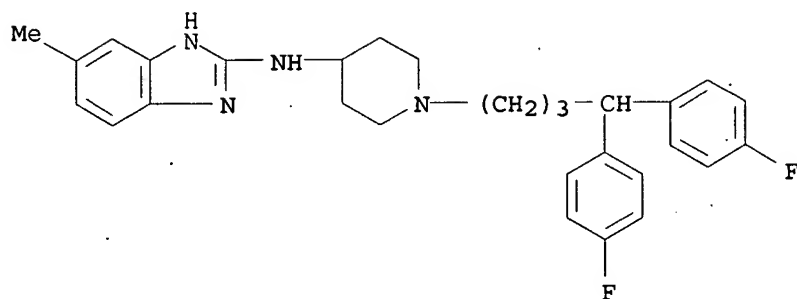
CN 1H-Benzimidazol-2-amine, N-[1-(2-phenylethyl)-4-piperidinyl]-1-(phenylmethyl)-5-(trifluoromethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 73734-91-5 CAPLUS

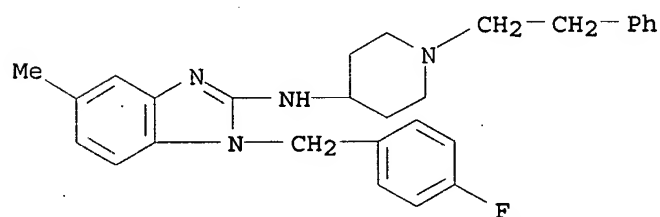
CN 1H-Benzimidazol-2-amine, N-[1-[4,4-bis(4-fluorophenyl)butyl]-4-piperidinyl]-5-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

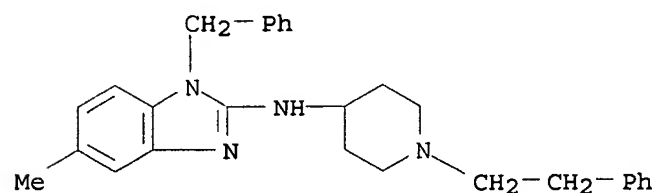
RN 75970-78-4 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-5-methyl-N-[1-(2-phenylethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



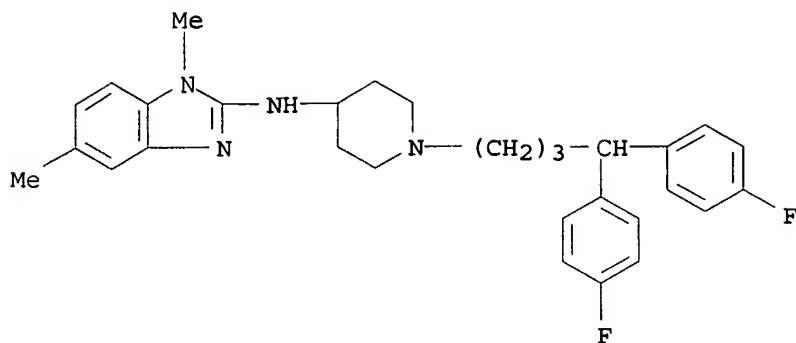
RN 75970-80-8 CAPLUS

CN 1H-Benzimidazol-2-amine, 5-methyl-N-[1-(2-phenylethyl)-4-piperidinyl]-1-(phenylmethyl)- (9CI) (CA INDEX NAME)



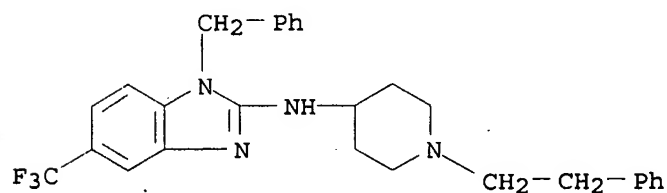
RN 75970-88-6 CAPLUS

CN 1H-Benzimidazol-2-amine, N-[1-[4,4-bis(4-fluorophenyl)butyl]-4-piperidinyl]-1,5-dimethyl-, dihydrochloride (9CI) (CA INDEX NAME)



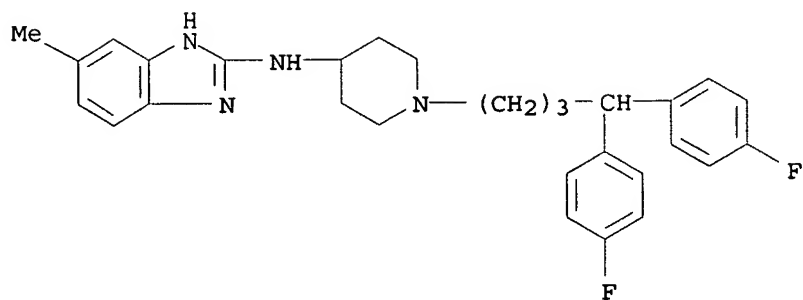
● 2 HCl

L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 IT 73734-46-0P 73734-91-5P 73755-74-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 73734-46-0 CAPLUS
 CN 1H-Benzimidazol-2-amine, N-[1-(2-phenylethyl)-4-piperidinyl]-1-(phenylmethyl)-5-(trifluoromethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



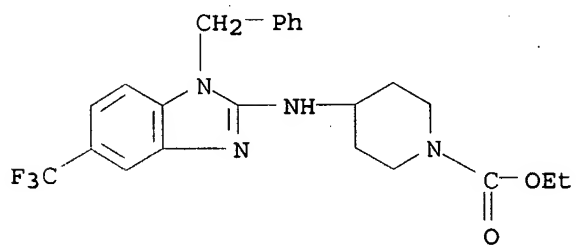
● 2 HCl

RN 73734-91-5 CAPLUS
 CN 1H-Benzimidazol-2-amine, N-[1-[4,4-bis(4-fluorophenyl)butyl]-4-piperidinyl]-5-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 73755-74-5 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[[1-(phenylmethyl)-5-(trifluoromethyl)-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



United States Patent [19]

Janssens et al.

[11] 4,219,559

[45] Aug. 26, 1980

[54] N-HETEROCYCLYL-4-PIPERIDINAMINES

[75] Inventors: Frans Janssens, Rijmenam; Raymond Stokbroekx; Joseph Torremans, both of Beerse; Marcel Luyckx, Geel, all of Belgium

[73] Assignee: Janssen Pharmaceutica N.V., Beerse, Belgium

[21] Appl. No.: 2,276

[22] Filed: Jan. 10, 1979

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 892,534, Apr. 3, 1978, abandoned.

[51] Int. Cl.² A61K 31/445; C07D 401/04

[52] U.S. Cl. 424/267; 424/256; 424/263; 424/248.51; 424/248.54; 424/248.55; 424/248.56; 546/118; 546/194; 546/199; 544/127; 544/139

[58] Field of Search 546/118, 194, 199; 544/127, 139; 424/248.51, 248.54, 248.55, 248.56, 256, 263, 267

[56] References Cited

U.S. PATENT DOCUMENTS

3,963,727	6/1976	Ueno et al.	546/199
3,989,707	11/1976	Janssen et al.	546/199
4,002,623	1/1977	Kadin	546/199

Primary Examiner—John M. Ford

Assistant Examiner—Robert T. Bond

Attorney, Agent, or Firm—Geoffrey G. Dellenbaugh

[57] ABSTRACT

Novel N-heterocyclyl-4-piperidinamines wherein said heterocyclic radical is an optionally substituted 1H-benzimidazol-2-yl or 3H-imidazo[4,5-b]pyridin-2-yl radical, said compounds being useful as antihistaminic agents.

19 Claims, No Drawings

Page 2Print selected from Online session10596519

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> ACTIVATE N596519DD/A

L25 STR

L26 (2380)SEA FILE=REGISTRY SSS FUL L25

L27 STR

L28 171 SEA FILE=REGISTRY SUB=L26 SSS FUL L27

=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.45

32.31

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FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

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=> S L28

L29 7 L28

=> D IBIB 1-7

L29 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:570884 CAPLUS

DOCUMENT NUMBER: 143:97367

TITLE: Preparation of 5- or 6-substituted benzimidazole derivatives as inhibitors of respiratory syncytial

04/05/07

done

Can't find apph

3

M

INVENTOR(S): virus replication
Bonfanti, Jean-francois; Andries, Koenraad Jozef
Lodewijk; Fortin, Jerome Michel Claude; Muller,
Philippe; Doublet, Frederic Marc Maurice; Meyer,
Christophe; Willebrords, Rudy Edmond; Gevers, Tom
Valerius Josepha; Timmerman, Philip Maria Martha Bern
PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058874	A1	20050630	WO 2004-EP53618	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298459	A1	20050630	AU 2004-298459	20041220
CA 2548793	A1	20050630	CA 2004-2548793	20041220
EP 1697347	A1	20060906	EP 2004-804954	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1914196	A	20070214	CN 2004-80041654	20041220
PRIORITY APPLN. INFO.:			EP 2003-104806	A 20031218
			US 2004-566867P	P 20040430
			WO 2004-EP53618	W 20041220
OTHER SOURCE(S):	MARPAT 143:97367			
REFERENCE COUNT:	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:564655 CAPLUS

DOCUMENT NUMBER: 143:97374

TITLE: Preparation of morpholine containing benzimidazoles as

inhibitors of respiratory syncytial virus replication

INVENTOR(S): Bonfanti, Jean-Francois; Andries, Koenraad Jozef
Lodewijk; Fortin, Jerome Michel Claude; Muller,
Philippe; Doublet, Frederic Marc Maurice; Meyer,
Christophe; Willebrords, Rudy Edmond; Gevers, Tom
Valerius Josepha; Timmerman, Philip Maria Martha Bern

PATENT ASSIGNEE(S): Tibotec Pharmaceuticals Ltd., Ire.

SOURCE: PCT Int. Appl., 144 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058871	A1	20050630	WO 2004-EP53620	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004298460	A1	20050630	AU 2004-298460	20041220
CA 2548668	A1	20050630	CA 2004-2548668	20041220
EP 1697345	A1	20060906	EP 2004-817576	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU				
CN 1894237	A	20070110	CN 2004-80037825	20041220
BR 2004017268	A	20070313	BR 2004-17268	20041220
US 2007043022	A1	20070222	US 2006-563691	20060104
NO 2006003322	A	20060918	NO 2006-3322	20060718
PRIORITY APPLN. INFO.:				
			EP 2003-104810	A 20031218
			US 2004-567182P	P 20040430
			EP 2004-105312	A 20041026
			WO 2004-EP53620	W 20041220
OTHER SOURCE(S): MARPAT 143:97374				
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				
L29 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN				
ACCESSION NUMBER: 2005:259680 CAPLUS				
DOCUMENT NUMBER: 142:336356				
TITLE: Preparation of benzimidazoles and imidazopyridines having affinity for melanocortin (MC), in particular MC4 _r receptors				
INVENTOR(S): Poitout, Lydie; Brault, Valerie; Sackur, Carole; Roubert, Pierre; Plas, Pascale				
PATENT ASSIGNEE(S): Fr.				
SOURCE: U.S. Pat. Appl. Publ., 213 pp., Cont.-in-part of U.S. Ser. No. 504,033.				
CODEN: USXXCO				
DOCUMENT TYPE: Patent				
LANGUAGE: English				
FAMILY ACC. NUM. COUNT: 2				
PATENT INFORMATION:				

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005065179	A1	20050324	US 2004-915920	20040811
FR 2851563	A1	20040827	FR 2003-2320	20030226
FR 2851563	B1	20050422		
WO 2004075823	A2	20040910	WO 2004-FR418	20040225
WO 2004075823	A3	20041007		
WO 2004075823	A8	20041028		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

FR 2003-2320 A 20030226
 US 2003-504033 A2 20030920
 WO 2004-FR418 W 20040225

OTHER SOURCE(S): MARPAT 142:336356

L29 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:12444 CAPLUS

DOCUMENT NUMBER: 134:86248

TITLE: Preparation of benzimidazoles as respiratory syncytial virus replication inhibitors.

INVENTOR(S): Janssens, Frans Eduard; Meersman, Kathleen Petrus Marie-Jose; Sommen, Francois Maria; Guillemont, Jerome Emile Georges; Lacrampe, Jean Fernand Armand; Andries, Koenraad Jozef Lodewijk Marcel

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 119 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001000611	A1	20010104	WO 2000-EP5676	20000620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2376781	A1	20010104	CA 2000-2376781	20000620
BR 2000012054	A	20020319	BR 2000-12054	20000620
EP 1196408	A1	20020417	EP 2000-943841	20000620
EP 1196408	B1	20040915		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200103804	T2	20020521	TR 2001-3804	20000620
HU 200201723	A2	20021128	HU 2002-1723	20000620
JP 2003503401	T	20030128	JP 2001-507020	20000620
EE 200100692	A	20030217	EE 2001-692	20000620
EE 4590	B1	20060215		
NZ 515418	A	20031128	NZ 2000-515418	20000620
EP 1418175	A1	20040512	EP 2004-100543	20000620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL				
AT 276244	T	20041015	AT 2000-943841	20000620
AU 779516	B2	20050127	AU 2000-58167	20000620
PT 1196408	T	20050131	PT 2000-943841	20000620

ES 2228559	T3	20050416	ES 2000-943841	20000620
AP 1552	A	20060228	AP 2002-2397	20000620
W: GM, GH, KE, LS, MW, MZ, SL, SD, SZ, TZ, UG, ZM, ZW				
SG 122814	A1	20060629	SG 2004-362	20000620
TR 200600172	T1	20070122	TR 2006-172	20000620
TW 248932	B	20060211	TW 2000-89112477	20000626
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HR 2001000933	A1	20030630	HR 2001-933	20011219
ZA 2001010478	A	20030320	ZA 2001-10478	20011220
NO 2001006368	A	20020228	NO 2001-6368	20011227
US 6924287	B1	20050802	US 2001-30202	20011227
BG 106287	A	20021031	BG 2002-106287	20020108
HK 1046141	A1	20060922	HK 2002-107761	20021025
US 2005234047	A1	20051020	US 2005-144103	20050603
US 7173054	B2	20070206		
US 2005239771	A1	20051027	US 2005-144126	20050603
US 7173034	B2	20070206		
US 2006154913	A1	20060713	US 2006-332557	20060112
US 2007021410	A1	20070125	US 2006-519719	20060911
PRIORITY APPLN. INFO.:			EP 1999-202087	A 19990628
			EP 2000-200452	A 20000211
			EP 2000-943841	A3 20000620
			WO 2000-EP5676	W 20000620
			US 2001-30202	A3 20011227
			US 2005-144103	A3 20050603

OTHER SOURCE(S): MARPAT 134:86248
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1985:596034 CAPLUS
DOCUMENT NUMBER: 103:196034
TITLE: New antihistaminic N-heterocyclic 4-piperidinamines.
2. Synthesis and antihistaminic activity of
1-[(4-fluorophenyl)methyl]-N-(4-piperidinyl)-1H-benzimidazol-2-amines
AUTHOR(S): Janssens, Frans; Torremans, Joseph; Janssen, Marcel;
Stokbroekx, Raymond A.; Luyckx, Marcel; Janssen, Paul
A. J.
CORPORATE SOURCE: N. V. Janssen Pharm., Res. Lab., Beerse, B-2340, Belg.
SOURCE: Journal of Medicinal Chemistry (1985), 28(12), 1934-43
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 103:196034

L29 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1981:30579 CAPLUS
DOCUMENT NUMBER: 94:30579
TITLE: N-Heterocyclyl-4-piperidinamines
INVENTOR(S): Janssens, Frans; Luyckx, Marcel; Stokbroekx, Raymond;
Torremans, Joseph
PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.
SOURCE: U.S., 27 pp. Cont.-in-part of U.S. Ser. No. 892,534,
abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4219559	A	19800826	US 1979-2276	19790110
CA 1140119	A1	19830125	CA 1979-323763	19790319
AU 7945296	A	19791018	AU 1979-45296	19790321
AU 523352	B2	19820722		
DK 7901298	A	19791004	DK 1979-1298	19790329
DK 169325	B1	19941010		
EP 5318	A1	19791114	EP 1979-300525	19790330
EP 5318	B1	19820106		
R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
RO 79320	A1	19820817	RO 1979-97082	19790330
FI 7901084	A	19791004	FI 1979-1084	19790402
FI 64801	B	19830930		
FI 64801	C	19840110		
NO 7901097	A	19791004	NO 1979-1097	19790402
NO 154058	B	19860401		
NO 154058	C	19860709		
JP 54151982	A	19791129	JP 1979-38447	19790402
JP 01001477	B	19890111		
ES 479206	A1	19791216	ES 1979-479206	19790402
ZA 7901557	A	19801126	ZA 1979-1557	19790402
IL 56992	A	19830331	IL 1979-56992	19790402
AT 7902425	A	19830715	AT 1979-2425	19790402
AT 373887	B	19840227		
CS 256358	B2	19880415	CS 1979-2227	19790402
CS 256380	B4	19880415	CS 1984-3451	19790402
PL 123380	B1	19821030	PL 1979-214648	19790403
HU 25906	A2	19830829	HU 1979-JA841	19790403
HU 182965	B	19840328		
SU 1056902	A3	19831123	SU 1979-2747000	19790403
AT 8204538	A	19830715	AT 1982-4538	19821214
AT 373888	B	19840227		
DK 8300831	A	19830224	DK 1983-831	19830224
DK 171841	B1	19970630		
ES 524224	A3	19841216	ES 1983-524224	19830719
NO 8402563	A	19791004	NO 1984-2563	19840625
NO 154090	B	19860407		
NO 154090	C	19860716		
ES 542804	A3	19851216	ES 1985-542804	19850503
JP 01117880	A	19890510	JP 1988-144898	19880614
JP 02040666	B	19900912		

PRIORITY APPLN. INFO.:

US 1978-892534	A2	19780403
US 1979-2276	A	19790110
US 1979-2279	A	19790110
DK 1979-1298	A	19790329
AT 1979-2425	A	19790402

OTHER SOURCE(S): CASREACT 94:30579

L29 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1980:215439 CAPLUS

DOCUMENT NUMBER: 92:215439

TITLE: N-Heterocyclyl-4-piperidinamines and pharmaceutical compositions comprising them

INVENTOR(S): Janssens, Frans; Stokbroekx, Raymond; Torremans, Joseph; Luyckx, Marcel

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

Printed
Printed

SOURCE: . Eur. Pat. Appl., 100 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION: .

Print

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 5318	A1	19791114	EP 1979-300525	19790330
EP 5318	B1	19820106		
R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
US 4219559	A	19800826	US 1979-2276	19790110
CS 256358	B2	19880415	CS 1979-2227	19790402
CS 256380	B4	19880415	CS 1984-3451	19790402
PRIORITY APPLN. INFO.:			US 1978-892534	19780403
			US 1979-2276	19790110
			US 1979-2279	A